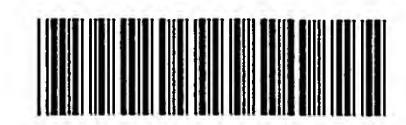# RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/588,067_
Source: _1FWP,_
Date Processed by STIC: _8/8/06_

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IFWP

RAW SEQUENCE LISTING   DATE: 08/08/2006
PATENT APPLICATION: US/10/588,067   TIME: 09:28:52

Input Set : A:\004974.01209 sequence listing.txt
Output Set: N:\CRF4\08082006\J588067.raw

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       3 <110> APPLICANT: Bayer HealthCare AG
       5 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with
Plasma
       6       Glutamate Carboxypeptidase (PGCP)
       8 <130> FILE REFERENCE: 004974.01209
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/588,067
C--> 10 <141> CURRENT FILING DATE: 2006-08-02
      10 <160> NUMBER OF SEQ ID NOS: 5
      12 <170> SOFTWARE: PatentIn version 3.2
      14 <210> SEQ ID NO: 1
      15 <211> LENGTH: 1901
      16 <212> TYPE: DNA
      17 <213> ORGANISM: Homo sapiens
      19 <400> SEQUENCE: 1
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      21 caccgtaagg ctaggccgcg agcttagtcc tgggagccgc ctccgtcgcc gccgtcagag    120
      22 ccgccctatc agattatctt aacaagaaaa ccaactggaa aaaaaatga aattccttat    180
      23 cttcgcattt ttcggtggtg ttcacctttt atccctgtgc tctgggaaag ctatatgcaa    240
      24 gaatggcatc tctaagagga cttttgaaga aataaaagaa gaaatagcca gctgtggaga    300
      25 tgttgctaaa gcaatcatca acctagctgt ttatggtaaa gcccagaaca gatcctatga    360
      26 gcgattggca cttctggttg atactgttgg acccagactg agtggctcca agaacctaga    420
      27 aaaagccatc caaattatgt accaaaacct gcagcaagat gggctggaga agttcacct     480
      28 ggagccagtg agaatacccc actgggagag gggagaagaa tcagctgtga tgctggagcc    540
      29 aagaattcat aagatagcca tcctgggtct tggcagcagc attgggactc ctccagaagg    600
      30 cattacagca gaagttctgg tggtgacctc tttcgatgaa ctgcagagaa gggcctcaga    660
      31 agcaagaggg aagattgttg tttataacca accttacatc aactactcaa ggacggtgca    720
      32 ataccgaacg caggggggg tggaagctgc caaggttggg gctttggcat ctctcattcg    780
      33 atccgtggcc tccttctcca tctacagtcc tcacacaggt attcaggaat accaggatgg    840
      34 cgtgcccaag attccaacag cctgtattac ggtggaagat gcagaaatga tgtcaagaat    900
      35 ggcttctcat gggatcaaaa ttgtcattca gctaaagatg ggggcaaaga cctacccaga    960
      36 tactgattcc ttcaacactg tagcagagat cactgggagc aaatatccag aacaggttgt   1020
      37 actggtcagt ggacatctgg acagctggga tgttgggcag ggtgccatgg atgatggcgg   1080
      38 tggagccttt atatcatggg aagcactctc acttattaaa gatcttgggc tgcgtccaaa   1140
      39 gaggactctg cggctggtgc tctggactgc agaagaacaa ggtggagttg gtgccttcca   1200
      40 gtattatcag ttacacaagg taaatatttc caactacagt ctggtgatgg agtctgacgc   1260
      41 aggaaccttc ttacccactg ggctgcaatt cactggcagt gaaaaggcca gggccatcat   1320
      42 ggaggaggtt atgagcctgc tgcagcccct caatatcact caggtcctga gccatggaga   1380
      43 agggacagac atcaactttt ggatccaagc tggagtgcct ggagccagtc tacttgatga   1440
      44 cttatacaag tatttcttct tccatcactc ccacggagac accatgactg tcatggatcc   1500
      45 aaagcagatg aatgttgctg ctgctgtttg ggctgttgtt tcttatgttg ttgcagacat   1560
      46 ggaagaaatg ctgcctaggt cctagaaaca gtaagaaaga aacgttttca tgcttctggc   1620
      47 caggaatcct gggtctgcaa ctttggaaaa ctcctcttca cataacaatt tcatccaatt   1680
      48 catcttcaaa gcacaactct atttcatgct ttctgttatt atctttcttg atactttcca   1740
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50 atatggtagg gattacagtg ggggcatttc tttatatcac ctcttaaaaa cattgtttcc    1860
51 actttaaaag taaacactta ataaattttt ggaagaacaa a                        1901
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54 <211> LENGTH: 472
55 <212> TYPE: PRT
56 <213> ORGANISM: Homo sapiens
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59 Met Lys Phe Leu Ile Phe Ala Phe Phe Gly Gly Val His Leu Leu Ser
60 1               5                   10                  15
61 Leu Cys Ser Gly Lys Ala Ile Cys Lys Asn Gly Ile Ser Lys Arg Thr
62              20                  25                  30
63 Phe Glu Glu Ile Lys Glu Glu Ile Ala Ser Cys Gly Asp Val Ala Lys
64          35                  40                  45
65 Ala Ile Ile Asn Leu Ala Val Tyr Gly Lys Ala Gln Asn Arg Ser Tyr
66      50                  55                  60
67 Glu Arg Leu Ala Leu Leu Val Asp Thr Val Gly Pro Arg Leu Ser Gly
68 65                  70                  75                  80
69 Ser Lys Asn Leu Glu Lys Ala Ile Gln Ile Met Tyr Gln Asn Leu Gln
70                  85                  90                  95
71 Gln Asp Gly Leu Glu Lys Val His Leu Glu Pro Val Arg Ile Pro His
72              100                 105                 110
73 Trp Glu Arg Gly Glu Glu Ser Ala Val Met Leu Glu Pro Arg Ile His
74              115                 120                 125
75 Lys Ile Ala Ile Leu Gly Leu Gly Ser Ser Ile Gly Thr Pro Pro Glu
76          130                 135                 140
77 Gly Ile Thr Ala Glu Val Leu Val Val Thr Ser Phe Asp Glu Leu Gln
78 145                 150                 155                 160
79 Arg Arg Ala Ser Glu Ala Arg Gly Lys Ile Val Val Tyr Asn Gln Pro
80                  165                 170                 175
81 Tyr Ile Asn Tyr Ser Arg Thr Val Gln Tyr Arg Thr Gln Gly Ala Val
82              180                 185                 190
83 Glu Ala Ala Lys Val Gly Ala Leu Ala Ser Leu Ile Arg Ser Val Ala
84              195                 200                 205
85 Ser Phe Ser Ile Tyr Ser Pro His Thr Gly Ile Gln Glu Tyr Gln Asp
86          210                 215                 220
87 Gly Val Pro Lys Ile Pro Thr Ala Cys Ile Thr Val Glu Asp Ala Glu
88 225                 230                 235                 240
89 Met Met Ser Arg Met Ala Ser His Gly Ile Lys Ile Val Ile Gln Leu
90                  245                 250                 255
91 Lys Met Gly Ala Lys Thr Tyr Pro Asp Thr Asp Ser Phe Asn Thr Val
92              260                 265                 270
93 Ala Glu Ile Thr Gly Ser Lys Tyr Pro Glu Gln Val Val Leu Val Ser
94          275                 280                 285
95 Gly His Leu Asp Ser Trp Asp Val Gly Gln Gly Ala Met Asp Asp Gly
96          290                 295                 300
97 Gly Gly Ala Phe Ile Ser Trp Glu Ala Leu Ser Leu Ile Lys Asp Leu
98 305                 310                 315                 320
99 Gly Leu Arg Pro Lys Arg Thr Leu Arg Leu Val Leu Trp Thr Ala Glu
100                 325                 330                 335
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RAW SEQUENCE LISTING   DATE: 08/08/2006
PATENT APPLICATION: **US/10/588,067**   TIME: 09:28:52

Input Set : **A:\004974.01209 sequence listing.txt**
Output Set: **N:\CRF4\08082006\J588067.raw**

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101 Glu Gln Gly Gly Val Gly Ala Phe Gln Tyr Tyr Gln Leu His Lys Val
102             340             345             350
103 Asn Ile Ser Asn Tyr Ser Leu Val Met Glu Ser Asp Ala Gly Thr Phe
104         355             360             365
105 Leu Pro Thr Gly Leu Gln Phe Thr Gly Ser Glu Lys Ala Arg Ala Ile
106     370             375             380
107 Met Glu Glu Val Met Ser Leu Leu Gln Pro Leu Asn Ile Thr Gln Val
108 385             390             395             400
109 Leu Ser His Gly Glu Gly Thr Asp Ile Asn Phe Trp Ile Gln Ala Gly
110             405             410             415
111 Val Pro Gly Ala Ser Leu Leu Asp Asp Leu Tyr Lys Tyr Phe Phe Phe
112     420             425             430
113 His His Ser His Gly Asp Thr Met Thr Val Met Asp Pro Lys Gln Met
114         435             440             445
115 Asn Val Ala Ala Ala Val Trp Ala Val Val Ser Tyr Val Val Ala Asp
116     450             455             460
117 Met Glu Glu Met Leu Pro Arg Ser
118 465             470
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121 <211> LENGTH: 20
122 <212> TYPE: DNA
123 <213> ORGANISM: artificial sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: forward primer
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132 <211> LENGTH: 20
133 <212> TYPE: DNA
134 <213> ORGANISM: artificial sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: reverse primer
139 <400> SEQUENCE: 4
140 aggcagcatt tcttccatgt                                              20
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143 <211> LENGTH: 27
144 <212> TYPE: DNA
145 <213> ORGANISM: artificial sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: probe
150 <400> SEQUENCE: 5
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VERIFICATION SUMMARY   DATE: 08/08/2006
PATENT APPLICATION: **US/10/588,067**   TIME: 09:28:53

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date